

LISTING OF THE CLAIMS

At the time of the Action:

Pending Claims: 1-45

After this Response:

Pending Claims: 1-16 and 18-45

Cancelled Claim: 17

Amended Claims: 1, 3, 5, 6, 9, 16, 24, 26, 29, 32, 33, 35 and 39

1. (Currently Amended) A method implemented on a computer, the method comprising:

receiving, with the computer, information from a user about a multimedia content in a stream generated by a content server in a computer network, wherein the received information includes:

a user specified future time frame associated with the stream;

and

a designated uniform resource locator (URL) of the content server;

scheduling, with the computer, a recording of the multimedia content in the stream from the content server at the designated URL at the user specified future time frame;

specifying, with the computer, to the content server, via the computer network, a quality of the stream;

receiving, with the computer, the multimedia content in the stream from the content server at the designated URL with the specified quality; and

saving the multimedia content in a system memory of the computer during the user specified future time frame.

2. (Previously Presented) The computer-implemented method as recited in Claim 1, wherein saving the multimedia content in a system memory includes encrypting the multimedia content stream using a digital rights management (DRM) system.

3. (Currently Amended) The computer-implemented method as recited in Claim 2, wherein the DRM system ~~is configured to~~ restricts access to the recording to a predetermined device associated with the user.

4. (Previously Presented) The computer-implemented method as recited in Claim 1, further comprising facilitating an output of the multimedia content.

5. (Currently Amended) The computer-implemented method as recited in Claim 1, wherein the information about the multimedia content in the stream is received through an application program interface (API).

6. (Currently Amended) The computer-implemented method as recited in Claim 5, wherein the ~~application program interface~~ API includes a distributed component object model (DCOM) interface.

7. (Previously Presented) The computer-implemented method as recited in Claim 1, wherein receiving information about the multimedia content in the stream includes receiving a scheduled recording task.

8. (Original) The computer-implemented method as recited in Claim 7, wherein the scheduled recording task includes at least one of a unique task identifier, a user account identifier, a title, a start time, a start date, an end time, an end date, a recording duration, a URL, a local storage location, a recording quality identifier, and connection settings.

9. (Currently Amended) The computer-implemented method as recited in Claim 1, further comprising, ~~at~~during the user specified future time frame, automatically connecting to the content server.

10. (Previously Presented) The computer-implemented method as recited in Claim 9, wherein automatically connecting to the content server is performed in accordance with connection settings included in the information about the multimedia content in the stream.

11. (Previously Presented) The computer-implemented method as recited in Claim 1, wherein the received information includes a specified quality of the content; and wherein quality of the stream is specified with the computer to the content server based on the specified quality of the content.

12. (Original) The computer-implemented method as recited in Claim 1, wherein receiving the multimedia content stream includes specifying a quality of the stream in relation to a bandwidth associated with a network connection.

13. (Original) The computer-implemented method as recited in Claim 1, wherein the multimedia content stream includes at least one of an on-demand content stream and a broadcast content stream.

14. (Original) The computer-implemented method as recited in Claim 1, wherein the computer network includes at least one of a local area network (LAN), a wide area network (WAN), and the Internet.

15. (Original) One or more computer-readable memories containing a computer program that is executable by a processor to perform the computer-implemented method recited in Claim 1.

16. (Currently Amended) A computer-implemented method comprising:
enabling a user to schedule a recording of a multimedia content in a stream on a computer at a specified future time frame and at a designated uniform resource locator (URL) by providing a user interface that enables the user to input the information about the recording;

creating a scheduled recording task on the computer that includes information about the recording of the multimedia content in the stream, wherein the information about the recording includes specifying a quality of the multimedia content in the stream;

sending the scheduled recording task to a recording service disposed in the computer and configured to perform the scheduled recording task;

recording the multimedia content in the stream with the scheduled recording task based on the specified quality of the multimedia content and specified future time frame; and

tracking the scheduled recording task, whereby the tracked scheduled recording task facilitates an output to the user.

17. (Canceled)

18. (Original) The computer-implemented method as recited in Claim 16, wherein the information about the recording includes at least one of a title, a start time, a start date, an end time, an end date, a recording duration, a URL, a location in system memory, a recording quality identifier, recurring data, and connection settings.

19. (Original) The computer-implemented method as recited in Claim 16, wherein enabling the user to schedule the recording includes enabling the user to create recurring recordings.

20. (Original) The computer-implemented method as recited in Claim 16, wherein sending the scheduled recording task to the recording service includes interacting with the recording service through an application program interface.

21. (Original) The computer-implemented method as recited in Claim 20, wherein the application program interface is a DCOM interface.

22. (Original) The computer-implemented method as recited in Claim 16, wherein tracking the scheduled recording task includes obtaining a status of the scheduled recording task from the recording service.

23. (Previously Presented) The computer-implemented method as recited in Claim 22, wherein tracking the scheduled recording task includes providing the status of the scheduled recording task to the user.

24. (Currently Amended) The computer-implemented method as recited in Claim 16, further comprising:

~~if the multimedia content in the stream is successfully recorded,~~ enabling the user to access the recorded multimedia content stream, if the multimedia content in the stream is successfully recorded; and

~~if the multimedia content stream is unsuccessfully recorded, automatically~~ rescheduling the recording of the multimedia content in the stream to a future time, if the multimedia content stream is unsuccessfully recorded.

25. (Original) One or more computer-readable memories containing a computer program that is executable by a processor to perform the computer-implemented method recited in Claim 16.

26. (Currently Amended) An electronic device comprising:

an input device comprising a keyboard, a pointing device, a microphone, a joystick, a game pad, a scanner, a touch screen, a touch pad, a mouse or a key pad;

an output device comprising a monitor, a screen, a speaker or a printer;

a storage device;

means for receiving information from the input device about a multimedia content in a stream provided from a server device via a computer network, the multimedia content in the stream having an associated uniform resource locator (URL), wherein the received information includes a user specified future time associated with the stream;

~~means for scheduling~~ a scheduler to schedule a recording of the multimedia content in the stream at the user specified time;

~~means for receiving~~ a receiver to receive the multimedia content in the stream from the server device at the user specified future time;

means for saving the multimedia content in the storage device; and

means for feeding the saved multimedia content to the output device.

27. (Original) The apparatus as recited in Claim 26, further comprising means for receiving the information from one or more application programs.

28. (Original) The apparatus as recited in Claim 26, further comprising means for implementing a digital rights management (DRM) system.

29. (Currently Amended) A computer apparatus comprising:

means for enabling a user to schedule a recording of a broadcast multimedia content in a stream at a specified time and to specify a quality of the stream;

means for creating a scheduled recording task that includes information about the recording, wherein the information about the recording includes the specified quality of the stream;

means for requesting to and receiving ~~the broadcast multimedia content in the stream~~ fed from a content server via a network the broadcast multimedia content in the stream at the user specified time, wherein the network includes a network bandwidth;

means for sending the scheduled recording task to a recording service configured to perform the scheduled recording task, wherein the recording service records the multimedia content in the stream at the user specified time;

means for automatically rescheduling the recording service to perform the scheduled recording task if the network bandwidth does not permit recording of the multimedia content in the stream at the specified quality at the user specified time;

means for implementing a digital rights management (DRM) system, the DRM configured to restrict access to recorded multimedia content to a predetermined device associated with the user; and

means for tracking the scheduled recording task, whereby the tracked scheduled recording task facilitates an output to the user.

30. (Original) The apparatus as recited in Claim 29, further comprising means for providing a user interface to the user.

31. (Original) The apparatus as recited in Claim 29, further comprising means for enabling the user to create recurring recordings.

32. (Currently Amended) One or more computer-readable storage media having stored thereon a computer program that, when executed by one or more processors, causes the one or more processors to:

determine, on a user computer, information about a multimedia content in a stream provided from a content server to the user computer via a computer network, wherein the determined information includes a user specified future time frame associated with the stream and uniform resource locator (URL) associated with a network location of the content server, wherein the URL and user specified time frame are obtained from a user through a user interface;

schedule a recording of the multimedia content in the stream on the user computer at the user specified time frame at the URL;

receive, on the user computer, the multimedia content in the stream from the content server at the user specified future time frame; and

save the received multimedia content in a storage device on the user computer during the user specified future time frame.

33. (Currently Amended) One or more computer-readable storage media as recited in Claim 32, wherein to save the received multimedia content in a storage device includes encrypting the multimedia content in the stream using a digital rights management (DRM).

34. (Previously Presented) One or more computer-readable storage media as recited in Claim 32, wherein the computer program further causes the one or more processors to obtain the information from a content index.

35. (Currently Amended) A processing system comprising:

a network interface configured to connect a computer to a device via a computer network; and

a memory in the computer that includes:

a scheduled recording service configured to receive a scheduled recording task that includes information about a multimedia content in a stream provided by ~~a~~the device in the computer network, schedule a recording of the multimedia content in the stream with a recording service at a future specified time based on a time provided by a user, to receive the multimedia content in the stream from the device, and to save the multimedia content in the memory, including encrypting the multimedia content using a digital rights management (DRM) system; and

a connection manager configured to receive a network location of the multimedia content, and to establish a connection between the schedule recording service on the computer and the network location of the multimedia content using the network interface, wherein the network location is based on a manually entered URL provided by a user.

36. (Original) The computer as recited in Claim 35, wherein the scheduled recording service is further configured to provide an application program interface for interacting with application programs.

37. (Original) The computer as recited in Claim 35, wherein the scheduled recording service is further configured to operate independent of a user account.

38. (Previously Presented) The computer as recited in Claim 35, wherein the connection manager is further configured to automatically establish a network connection with the device through the network interface for receiving the multimedia content in the stream.

39. (Currently Amended) The computer as recited in Claim 38, wherein the scheduled recording service is ~~further~~ configured to specify a quality associated with the multimedia content in the stream, and is further configured to automatically request a new time if the quality associated with the multimedia content in the stream is not delivered during the future specified time.

40. (Original) The computer as recited in Claim 35, wherein the scheduled recording service is further configured to maintain a configuration file that includes information about the scheduled recording task.

41. (Original) The computer as recited in Claim 35, wherein the scheduled recording service is further configured to maintain a log file that includes a status associated with the scheduled recording task.

42. (Previously Presented) The computer as recited in Claim 35, wherein the memory further includes a scheduling application configured to enable a user to schedule a recording of the multimedia content in the stream at the specified time, to create the scheduled recording task that includes the information about the recording, to send the scheduled recording task to the scheduled recording service; and to track the scheduled recording task.

43. (Original) The computer as recited in Claim 42, wherein the scheduling application is further configured to provide a user interface to the user for scheduling the recording.

44. (Original) The computer as recited in Claim 42, wherein the scheduling application is further configured to provide a user interface to the user for tracking the recording.

45. (Original) The computer as recited in Claim 42, wherein the scheduling application is further configured to enable the user to schedule recurring recordings.